NOVEMBER/DECEMBER 2023

DECS34C/GECS34C — NETWORK SECURITY

Time : Three hours Maximum : 75 marks

LIBRARY SCIENCE COLLEGE

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Write the some Specific Security Mechanisms?

2. What is meant by Vernam Cipher?

3. What are the two types of Data Encryption Standart?

4. What is called the Avalanche Effect?

5. Expand : SA, ESP, SET, SSL.

6. Mention the authentication methods can be used in IKE key determinination.

7. Give the Limitations of Firewall.

8. Define Risk Analysis.

9. What are the Non-Malicious Program Errors?

10. Write down the types of Control System.

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Briefly discuss about Security Services.

Or

(b) Write short notes on Cryptanalysis.

12. (a) Explain Symmetric Vs Asymmetric Cryptosystems.

Or

(b) Describe the PublicKey Certificates.

13. (a) Discuss in detail the Tunnel-Mode Encryption.

Or

(b) Illustrate the Firewall Types.

14. (a) Discuss in the Firewall Configuarations.

Or

(b) Briefly discuss about the concept of Truested Systems.

LIBRARY

15. (a) Write short note on Nature of Viruses?

Or

(b) Explain in detail about the importance of Protection.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Briefly discuss about Types of Encryption Systems.

17. Explain the Block Cipher Design Principles.

18. Describe about IP Security Architecture.

19. Explain in detail about tour types of PGP Cryptographic Keys and Key Rings.

20. Explain the following:

(a) Memory Protection

(b) File Protection

———————